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CASE 4-31499A

Box Seq

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF
BUEHLER ET AL.
APPLICATION NO: 09/899,634
FILED: JULY 5, 2001
FOR: PCAR AND ITS USES

Art Unit: 1651

Assistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Sir:

In response to the above-identified notice please amend the application as follows:

In the Specification:

Please amend the specification as follows:

Please replace the pargraph beginning at page 6, line 22, with the following rewritten paragraph:

--**Example 1:** Construction of the expression vector

The full length cDNA for porcine CAR is cloned from pig liver using degenerated primers (forward: 5'-accatggcgckcctrctgt-3' (SEQ ID NO:5) and reverse: 5'-catatggaggctytatacya-3'(SEQ ID NO: 6) in which k=g or t; r=a or g and y=c or t)). The PCR fragment is bluntend inserted into the vector pSport (Life Technologies). Porcine CAR (SEQ ID NO:4) has an overall amino acid homology of 91% to human as well as mouse CAR. This clone is used as template to generate the ΔpCAR gene as disclosed in SEQ ID NO: 1 from nucleotide 3229 to nucleotide 4014, using PCR. The primers used to generate this construct contain two amino acid changes at the C-terminal end of the construct. The sense primer SpeI-CAR (5'-ggactagtgccaccatggcgctcctgctgtgcttc-3', SEQ ID NO:7) is located at position 1-21 of pCAR and contains a SpeI site, a Kozak sequence and the start